

Charles Industries

CFTTE Fiber Transition Terminal

General Description and Installation

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Figure 1 CFTTE

1. GENERAL INTRODUCTION

1.1 Document Purpose

This document provides installation instructions for the Charles Industries' CFTTE connectorized fiber transition terminal. Figure 1 shows the front view of the CFTTE.

1.2 Product Purpose

The CFTTE provides a means of managing fiber optics service cable.

2. PRODUCT DESCRIPTION

The CFTTE enclosure houses a 24 port LC/UPC patch bulkhead with adapters for terminating fiber cables. It ships with a length of Velcro and a hose clamp to be used for strain relief and cable management.

Connectorized feed fiber cable enters the enclosure through a grommet and is plugged into the feed connectors. Connectorized drop fiber cable enters through a second grommet and is plugged into the drop connectors on the opposite side.

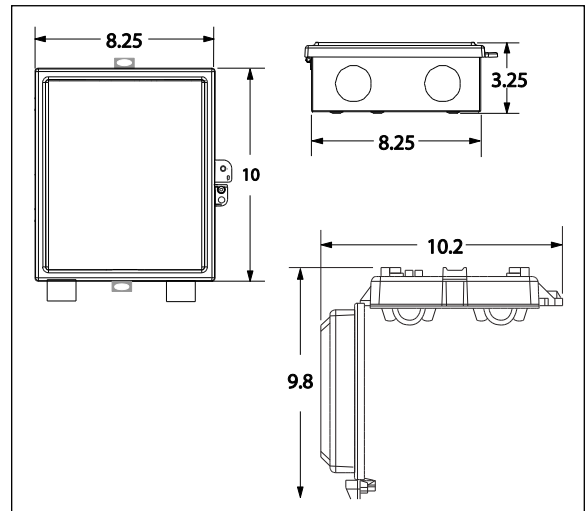


Figure 2 CFTTE Dimensions

3. INSTALLATION

3.1 Warnings and Precautions

- Follow all national safety codes, OSHA requirements, and local environmental, workplace and company codes, safety procedures and practices.
- Only authorized trained personnel shall install the unit.

3.2 Mounting the CFTTE

Mount the enclosure according to local practice. Multiple mounting options are available (see Figure 3). Choose the mounting option best suited for the mounting surface selected. Use hardware appropriate for the mounting surface. If using the three internal mounting holes, first drill out the plastic shield covering the holes.

3.3 Routing Cable into the Unit

See Figure 3 for a diagram of the CFTTE components.

3.3.1 Preparing the CFTTE for Cable Routing

1. Locate the Velcro and cut it into four pieces. Insert a piece into each of the four strain relief slots
2. Insert the hose clamp into the hose clamp slot.
3. Cut slots into each of the grommets to allow feed and drop cable to enter the enclosure.

3.3.2 Route Feed Cable

Feed cable enters the enclosure as a single cable with twelve connectorized fanouts.

1. Route the single cable through the grommet on the left. Secure the cable at the entry point using the hose clamp.
2. Route the fanouts through the Velcro on the left and at the top.
3. Plug the fanouts into the feed connectors on the right side.

3.3.3 Route Drop Cable

Drop cable enters the enclosure as twelve separate connectorized cables.

1. Route each cable through the grommet on the right.
2. Route the cable through the two pieces of Velcro on the right and the one at the top.
3. Plug the cables into the drop connectors on the left side.

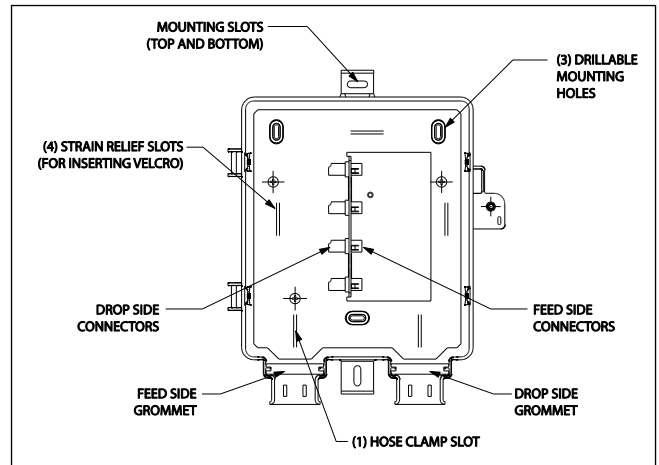


Figure 3 Mounting Options and Components

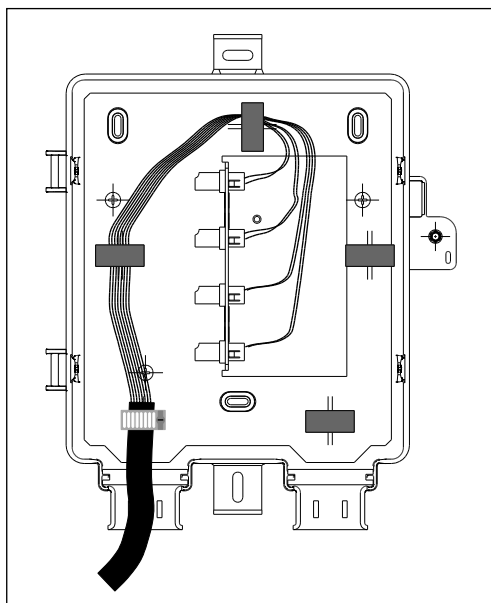


Figure 4 Feed Cable Routing

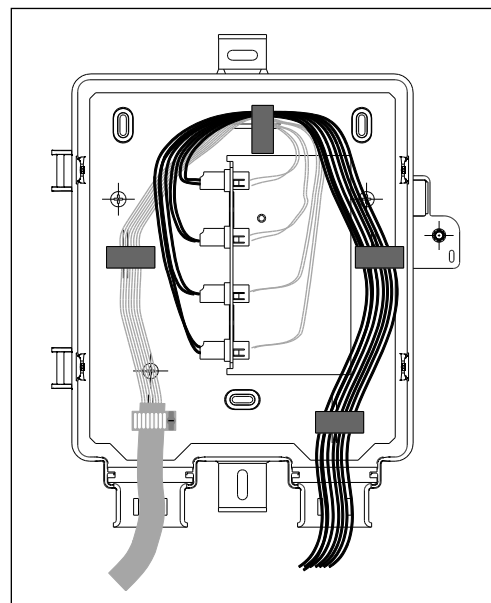


Figure 5 Drop Cable Routing

4. TECHNICAL ASSISTANCE AND REPAIR SERVICE

For questions on product repair or if technical assistance is required, contact Charles Technical Support.

847-806-8500

techserv@charlesindustries.com (email)

<http://www.charlesindustries.com/techserv.htm>

5. WARRANTY & CUSTOMER SERVICE

Charles Industries, Ltd. offers a five-year warranty on the housing and a one-year warranty on the optical components. The Charles warranty is limited to the operation of the hardware as described in this documentation and does not cover equipment which may be integrated by a third party. The terms and conditions applicable to any specific sale of product shall be defined in the resulting sales contract. For questions on warranty or other customer service assistance, contact your Charles Customer Service Representative.

847-806-6300

mktserv@charlesindustries.com (email)

http://www.charlesindustries.com/main/telecom_sales_support.htm

6. ORDERING INFORMATION

For Ordering Information, refer to the CFTTE datasheet on the website, www.charlesindustries.com.